



TIIG

INJURY SURVEILLANCE IN THE NORTH WEST OF ENGLAND

Arrowe Park Emergency Department Monthly Bulletin: April 2013 to March 2014

This bulletin provides a breakdown of a total of 36,812 injury attendances at Arrowe Park Hospital Emergency Department (ED) between April 2013 and March 2014. Injury attendances peaked in July (n=3,645), with February (n=2,552) having the least number of injury attendances (**Figure 1**).

For all months there were more male injury attendances than female presenting at Arrowe Park ED (53%) (**Figure 1**). **Figure 2** presents the age group of injury attendances. Across the whole year, injury attendances were highest for individuals aged 30 to 59 years (29%).

Table 1 details the injury group of injury attendees to Arrowe Park ED between April 2013 and March 2014. Falls were the most prevalent cause of injury, accounting for over four in ten (43%) attendances. Just under one in six (16%) injury attendances were recorded as other injury and 12% of injury attendances were as a result of the attendee having been struck.

Table 2 illustrates the source of referral for patients presenting with injuries. The majority (90%) of injury attendees self-referred.

Table 3 presents injury attendances by location of incident. Over a third (34%) of injuries were recorded as having occurred in a public place, while three in ten (30%) incidents were recorded as having occurred in the home.

Table 4 shows the discharge method of injury attendances. The majority (51%) of attendees were discharged without requiring any follow-up, whilst over one in eight (13%) attendees were admitted.

A total of 1,441 attendees presented at Arrowe Park ED in this period as a result of assault; these attendees were mainly male (67%) and just over half (51%) aged between 15-29 years.

Over a third (35%) of assaults were recorded as occurring in a public place and 17% were recorded as occurring in the home (**Table 5**).

Table 6 gives the geographical location of assault incidents. Close to three in ten of assault incidents (28%) were reported to have occurred in Birkenhead town centre. The majority (59%) of assault victims reported being attacked by one attacker (**Table 7**).

Figure 3 gives detail on whether or not the attendee had consumed alcohol within the three hours prior to the incident. The majority of injury attendees (91%) had not consumed alcohol; however for assault attendees, 49% of attendees reported that they had consumed alcohol.

Figure 1: Gender of injury attendances by month, April 2013 to March 2014¹

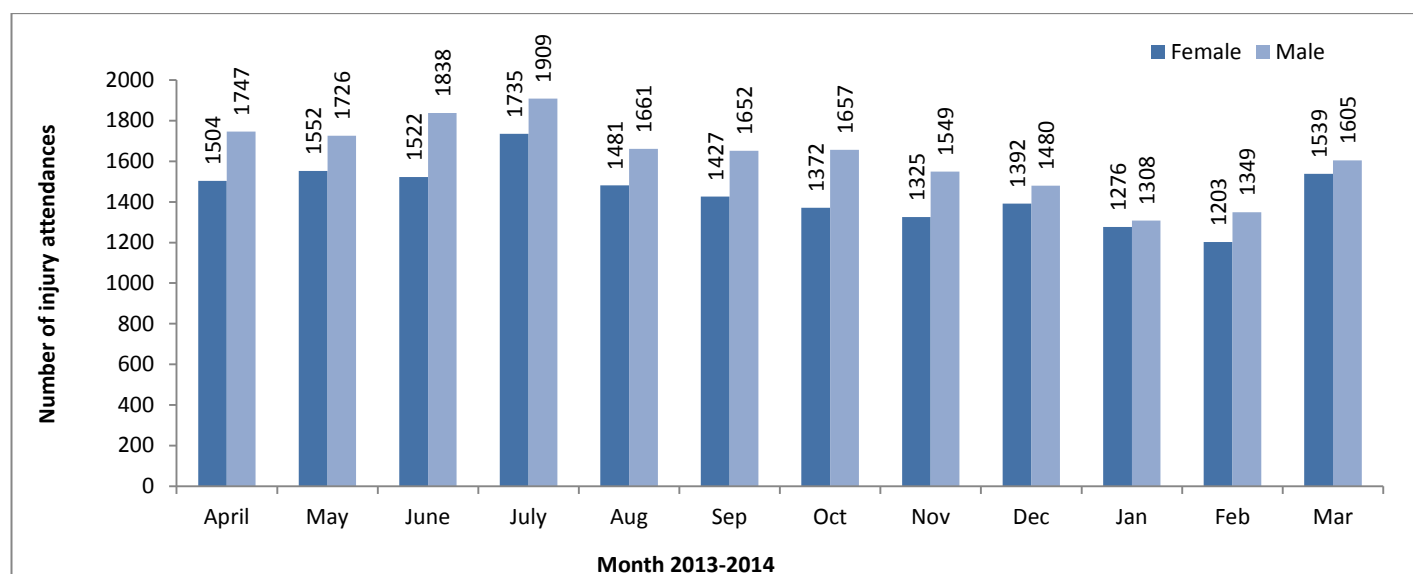


Figure 2: Age group of injury attendances by month, April 2013 to March 2014

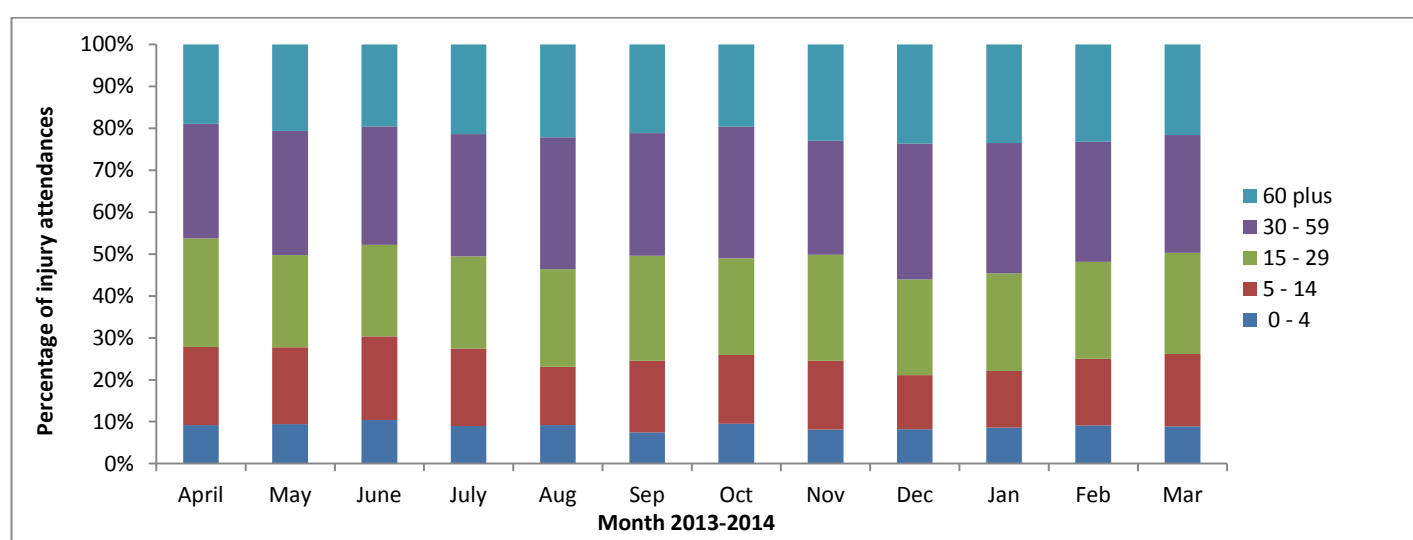


Table 1: Injury attendances by injury group, April 2013 to March 2014²

Injury Group	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Fall	1429	1432	1496	1626	1404	1297	1285	1193	1214	1103	1130	1310	15919	43
Other injury	545	509	608	603	507	461	466	407	480	459	398	542	5985	16
Struck	327	396	320	437	398	405	393	373	363	297	328	363	4400	12
Sports injury	345	218	212	224	154	287	230	251	148	172	179	278	2698	7
Wound or cut	210	240	259	277	264	227	220	189	213	162	169	224	2654	7
Road traffic collision	144	211	177	167	153	167	178	185	176	186	150	165	2059	6
Assault	110	140	140	125	134	128	108	125	136	83	94	118	1441	4
Deliberate self-harm	61	45	62	71	55	39	57	57	58	44	27	61	637	2
Burn/scald	35	41	46	50	35	21	43	40	35	27	19	19	411	1
Bite	22	25	25	44	17	25	22	20	24	29	21	35	309	1
Ingestion	<15	18	10	13	16	16	19	17	19	16	25	<30	207	1
Inhalation	10	***	***	<10	***	<10	<10	<20	6	***	<15	***	74	0
Non fire burn/scald	***	***	***	***	***	***	***	***	0	***	***	0	18	0
Total	3251	3278	3360	3645	3143	3079	3029	2875	2872	2584	2552	3144	36812	100

¹ Please note there were three attendances where gender was not recorded.

² Please note that in all tables all numbers less than five have been suppressed in line with patient confidentiality and if there is only one number in a category then two numbers will be suppressed at the next level (e.g. <6) in order to prevent back calculations from totals.

Table 2: Injury attendances by source of referral, April 2013 to March 2014^{2*}

Source of referral	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Self-referral	2950	2871	3020	3305	2844	2751	2741	2651	2624	2354	2307	2837	33255	90
Other	91	164	188	173	149	148	134	94	82	50	80	91	1444	4
Emergency services	133	170	59	83	60	81	57	68	73	104	79	120	1087	3
Health care provider	31	28	37	37	43	58	35	29	40	22	43	38	441	1
Police	11	21	17	19	30	15	14	18	28	15	18	18	224	1
Educational establishment	18	9	19	12	***	16	23	***	18	10	11	21	159	0
Work	5	8	12	10	12	<10	11	6	***	20	9	12	114	0
GP	12	<10	6	<10	***	***	14	6	***	7	***	5	76	0
Unknown	0	***	***	***	0	0	0	***	***	***	***	***	9	0
Community dental service	0	0	***	0	0	0	0	0	0	0	0	0	***	0
Local authority	0	0	0	0	0	0	0	0	0	***	0	***	***	0
Total	3251	3278	3360	3645	3143	3079	3029	2875	2872	2584	2552	3144	36812	100

*GP = General Practitioner

Table 3: Injury attendances by location of incident, April 2013 to March 2014²

Incident location	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Public place	1134	1124	1149	1338	1157	974	852	955	999	776	846	1055	12359	34
Home	962	995	999	1046	931	827	941	829	928	809	771	887	10925	30
Other	591	748	751	862	817	828	702	593	582	638	535	686	8333	23
Sport	277	150	154	161	153	212	238	196	146	150	174	237	2248	6
Educational establishment	170	157	168	135	***	158	179	183	112	<120	125	176	1677	5
Workplace	106	95	132	90	77	70	110	107	98	97	96	96	1174	3
Unknown	<10	<10	***	***	***	5	***	6	<10	***	***	***	47	0
Sea/waterway	***	***	***	<15	***	***	***	<10	***	0	***	***	42	0
Road traffic accident	0	0	0	0	0	***	***	***	0	0	***	***	7	0
Total	3251	3278	3360	3645	3143	3079	3029	2875	2872	2584	2552	3144	36812	100

Table 4: Injury attendances by discharge method, April 2013 to March 2014³

Discharge method	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Discharged- no follow-up	1642	1750	1732	1890	1537	1562	1603	1426	1360	1268	1264	1590	18624	51
Admitted	337	355	392	406	397	362	358	414	447	389	338	433	4628	13
Discharged- fracture clinic	380	366	406	443	356	322	338	303	312	273	272	343	4114	11
Discharged- GP follow-up	356	274	282	271	343	273	242	264	294	254	280	291	3424	9
Discharged- other	112	112	123	143	104	113	95	92	101	75	87	85	1242	3
Discharged- adult ED clinic	83	108	98	87	82	90	67	66	81	74	82	84	1002	3
Discharged- GP nurse	92	90	89	122	88	70	80	71	70	62	44	51	929	3
Left department before assessment	78	63	60	95	87	113	71	77	54	38	59	87	882	2
Discharged- paediatric ED	61	44	57	46	34	43	34	41	34	43	36	54	527	1
Discharged- maxillary/facial	24	10	23	22	22	26	23	25	24	19	14	26	258	1
Discharged- ear, nose and throat	20	18	22	24	16	29	23	29	17	16	15	23	252	1
Left department	18	24	25	23	18	16	23	21	27	15	16	13	239	1
Transferred to other healthcare provider	16	23	16	16	21	25	16	22	20	19	12	15	221	1
Discharged- walk-in centre	10	16	15	20	9	6	22	13	13	21	17	34	196	1
Discharged- physiotherapy	16	25	13	17	14	14	18	<10	12	12	<10	13	170	0
Unknown	***	0	<10	<20	15	15	16	***	5	6	7	***	96	0
Died in department	***	0	***	***	0	0	0	0	***	0	***	***	8	0
Total	3251	3278	3360	3645	3143	3079	3029	2875	2872	2584	2552	3144	36812	100

*GP=General Practitioner

³ Please note that in all tables all numbers less than five have been suppressed in line with patient confidentiality and if there is only one number in a category then two numbers will be suppressed at the next level (e.g. <6) in order to prevent back calculations from totals.

Table 5: Assault attendances by location of assault, April 2013 to March 2014³

Assault location	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Public space	48	38	57	57	58	54	42	36	37	26	18	39	510	35
Home	24	34	22	21	19	18	14	24	26	18	16	12	248	17
Street/road	10	22	23	17	22	19	17	23	26	9	15	13	216	15
Other	13	***	14	9	8	9	8	13	9	11	<10	6	109	8
Public house	***	7	6	***	6	10	7	12	10	***	11	8	86	6
Public park	***	7	10	5	5	6	***	***	6	***	***	8	63	4
Workplace	0	10	***	5	7	6	5	5	***	8	5	5	63	4
Night club	5	***	***	***	8	***	***	***	6	***	6	8	53	4
School	***	***	***	***	0	***	***	5	***	0	***	6	27	2
Leisure facility	***	***	***	0	***	***	***	0	***	***	0	***	16	1
Railway station	0	***	***	***	***	***	***	0	***	0	***	***	11	1
Shops	***	***	***	***	0	0	***	0	***	0	***	0	8	1
Hospital	0	***	0	***	0	0	***	0	0	0	0	***	6	0
Unknown	***	0	0	0	***	0	***	0	0	0	0	0	5	0
On public transport	***	0	***	0	0	0	***	***	***	0	0	0	5	0
Car park	0	0	0	0	0	0	0	0	0	0	***	0	***	0
Details withheld by patient	0	***	0	0	0	0	0	0	***	0	0	0	***	0
Total	110	140	140	125	134	128	108	125	136	83	94	118	1441	100

Table 6: Assault attendances by geographical location of assault, April 2013 to March 2014⁴

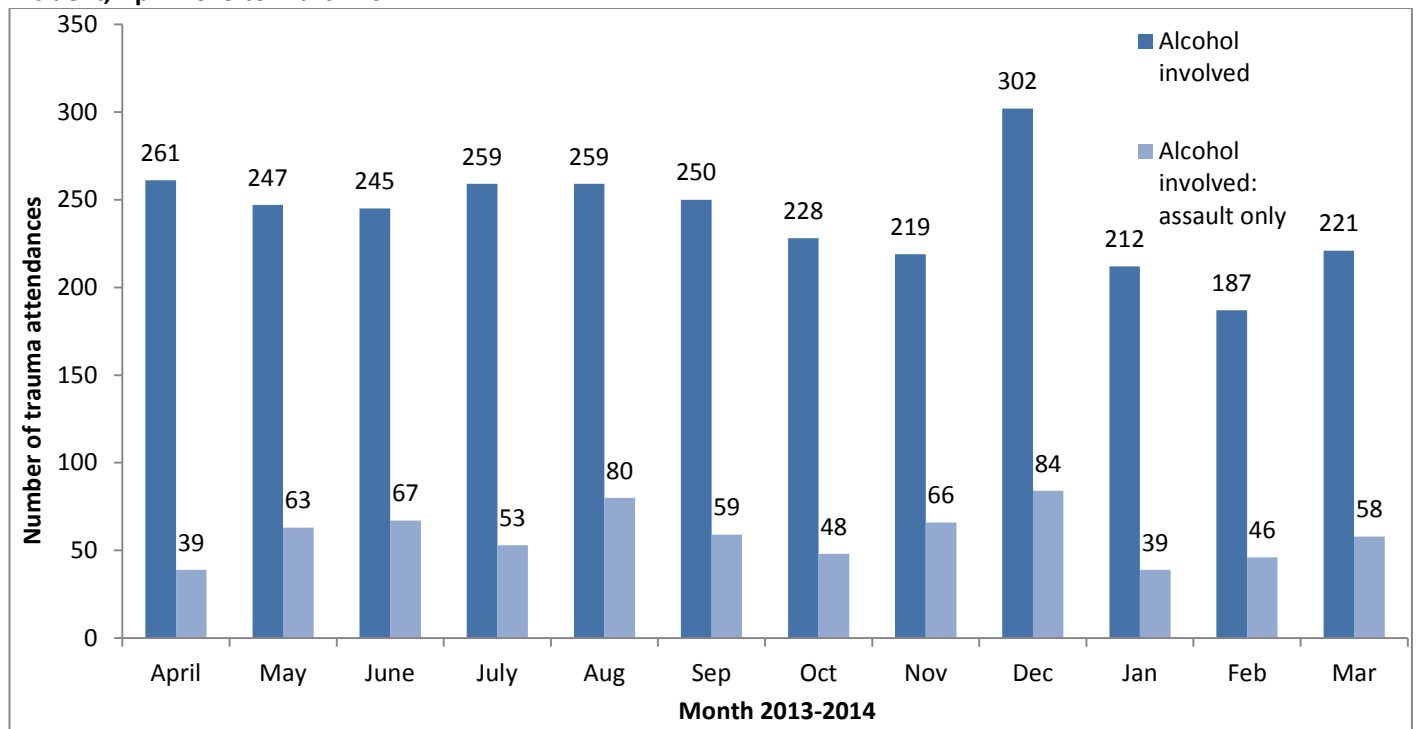
Geographical assault location	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Birkenhead town centre	29	33	49	32	36	44	34	35	40	22	22	31	407	28
Wallasey-Seacombe	17	13	20	19	19	14	8	16	22	19	15	15	197	14
Other	17	19	9	12	13	13	10	15	9	7	10	12	146	10
New Ferry-Rock Ferry	7	13	12	9	12	9	6	10	15	7	13	9	122	8
Bidston-Prenton-Oxton	<10	7	11	11	9	***	9	11	8	6	6	12	99	7
Greasby-Upton-Arrowe Park	6	14	7	***	6	12	11	7	5	***	***	8	83	6
Liverpool city centre	***	***	***	7	6	6	8	9	8	***	11	7	76	5
Moreton-Leasowe	7	9	6	7	6	5	***	***	***	7	***	6	61	4
Bromborough-Eastham	6	***	5	7	***	7	***	7	***	***	***	***	55	4
New Brighton	***	7	5	***	5	5	7	***	5	***	***	***	49	3
Bebington	5	***	***	***	6	***	***	***	6	0	***	***	41	3
Heswall-Pensby-Thingwall	***	5	***	***	5	***	***	***	5	0	***	***	31	2
West Kirby	***	5	***	5	0	***	***	***	0	0	***	***	23	2
Meols-Frankby-Hoylake	0	***	***	***	***	0	***	0	***	***	***	***	18	1
Neston-Parkgate	0	0	***	***	***	***	***	***	***	***	***	***	17	1
Refused to answer	0	***	0	***	0	***	***	***	***	0	0	***	10	1
Unknown	***	0	0	0	0	0	***	0	0	0	0	0	***	0
Ellesmere Port-Cheshire Oaks	***	0	0	0	***	0	0	0	0	0	0	0	***	0
Total	110	140	140	125	134	128	108	125	136	83	94	118	1441	100

Table 7: Assault attendances by number of attackers, April 2013 to March 2014⁴

Number of attackers	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
1 attacker	66	95	80	72	65	76	65	76	74	54	50	70	843	59
More than 2	24	30	37	<35	39	27	26	34	32	12	21	<35	347	24
2 attackers	9	8	14	17	9	10	11	8	17	11	17	10	141	10
Unknown	11	7	9	<10	21	15	6	7	13	6	6	***	110	8
Total	110	140	140	125	134	128	108	125	136	83	94	118	1441	100

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Figure 3: Injury and assault attendances by whether alcohol had been consumed within three hours prior to the incident, April 2013 to March 2014



Published June 2014
 Jennifer Brizell (TIIG researcher)
 Centre for Public Health, Faculty of Education, Health and Community, Liverpool John Moores University
 2nd Floor, Henry Cotton Campus, 15-21 Webster Street, Liverpool, L3 2ET
 Tel: 0151 231 4500 Email: j.s.brizell@ljmu.ac.uk
 Website: www.tiig.info
 Twitter: [@TIIG_CPH](https://twitter.com/TIIG_CPH)